

ADDITIONAL SHEET

CCR#: 05-0148

Rev:

Originator: Natisha Greenway

Telephone: 301-925-1079

Office: COTS SW

Title of Change: JDOM 1.0/Xerces 2.6.0 COTS TE for ASTER DAR Tool at LP DAAC

DRAFT

This delivery contains JDOM 1.0, a change to the COTS software baseline for JDOM on External Server machines at LP DAAC. It consists of the following tar file:

<u>Tar file</u>	<u>Checksum</u>	<u>Size</u>
jdom-1.0.tar.gz	1963118604	3571788

This COTS TE contributes to fixing the following NCR:

NCR Number	Subsystem	Sev	State	Site	Description
ECSed39884	OPS_COTS	2	T	LP DAAC	ASTER DAR Tool should support the current version of Java Plug-in

The COTS TE is to be installed on the following machine:

- e0ins01

INSTALLATION INSTRUCTIONS for JDOM 1.0 for Unix

Prerequisites

Estimated installation time: 15 minutes for a novice operator

Uninstall Instructions

None

Installation Instructions

As root, follow the instructions below to install JDOM 1.0.

(1) Copy the JDOM tar file to the /usr/ecs/OPS/COTS directory and decompress it:

```
# cd /usr/ecs/OPS/COTS
# cp /<distribution_path>/jdom-1.0.tar.gz .
# gunzip -c jdom-1.0.tar.gz | tar xvf -
# chown -R root:root jdom-1.0
```

(2) Remove the tarfile.

```
# rm -rf jdom-1.0.tar.gz
```

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Caution: Perform the following two steps only **AFTER** TE_7.03_CLS.01 has transitioned to OPS mode.

(3) After ASTER DAR Tool has transitioned to OPS mode, switch the “jdom” softlink under /usr/ecs/OPS/COTS.

```
# rm jdom
```

```
# ln -s jdom-1.0 jdom
```

(4) Remove JDOM Beta 8.

```
# pkgrm EC8jdomb8x1c
```

Custom Code Integration

None

Interrogation Checkout

For version and path installation verification, use the following command.

```
# /usr/bin/cksum /usr/ecs/OPS/COTS/jdom-1.0/build/jdom.jar |  
awk '{print $1}'
```

The checksum return string should be:

```
1060209036
```

Back-Out Instructions

To back out this installation:

1. Remove directory /usr/ecs/OPS/COTS/jdom-1.0.
2. Reinstall package EC8jdomb8x1c, if removed (see PSR Document #: 914-TDA-223, CCR # 02-1002 for installation instructions).
3. Restore the soft link **jdom** → **jdom-b8** under /usr/ecs/OPS/COTS

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Test Procedures

ASTER DAR Tool can be tested by bringing up an ASTER JAR Tool Web Page.

Test Results

The ASTER DAR Tool was installed Friday, April 1st, in the PVC's TS1 mode on p2ins02. The regression test against Release 7.03 custom code for compatibility with JDOM 1.0/Xerces 2.6.0 using the Java 1.4 Plug-in was successful. Session data from the DAAC was copied into the user sessions directory and the ASTER DAR Tool was launched successfully. Integration tests were performed successfully by the JDT responsible engineer in the EDF's functionality lab.